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SEP 24 1975

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PASO ROUTING SLIP			
	A	I	PLS. SEE ME
DIRECTOR <i>WS</i>			
SECRETARY			
CLERK			
PROJECT ENGINEER			
ADMINISTRATIVE OFF.			
PROJECT OFFICER			
PROGRAM SPECIALIST			
SEND COPY TO:			
H&N			
JA SITE REP.			
OTHER			
REMARKS: <i>Kris Let's find out from RR when he plans this trip. I discussed this w/ RR & WSS 9/24/75. (M)</i>			

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ZNR UUUUU

R 242132Z SEP 75

FM ROGER RAY ASST MGR FOR ENVIRONMENT & SAFETY USERDA-NV LAS VEGAS NV

TO RUHGSAA/OSCAR DE BRUM DISTAD MARSHALLS MAJURO MI
INFO RUEVDEG/F M ZEDER OTA DEPT OF THE INTERIOR WASHDC
RHEGCTN/M B BILES DOS HQ USERDA WASHDC
RHEGCTN/S GREENLEIGH OGC HQ USERDA WASHDC
RUHGSAA/GEORGE ALLEN MICRONESIAN LEGAL SERVICES MAJURO MI
RUWMFGA/THEODORE MITCHELL MICRONESIAN LEGAL SERVICES SAIPAN MI
RHEGLLL/W L ROBISON LLL LIVERMORE CA
RUHHWIA/USERDA PASO HONOLULU HI
RHEGILL/DR ROBERT A CONARD MEDICAL DEPT BROOKHAVEN NATIONAL LAB
ASSOC UNIV INC UPTON NY
RHEGILL/N A GREENHOUSE JR BROOKHAVEN NATIONAL LAB ASSOC UNIV INC
UPTON NY

AE

BT

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IN RESPONSE TO YOUR REQUEST, I WISH TO CLARIFY THE PURPOSE,
NEED AND EXPECTED RESULTS OF A PROPOSED AERIAL SURVEY OF

SUBJECT FILE

BEST COPY AVAILABLE

REPOSITORY DOE/PASO
COLLECTION DOE/NV
BOX No. 1234
FOLDER BIKINI-MISC CORRSPONDENCE/RPTS
9/74-12/75

ERDA HAS THE CAPABILITY, USING PORTABLE AND VERY SENSITIVE RADIATION MEASURING EQUIPMENT MOUNTED IN HELICOPTERS, OF RAPIDLY SURVEYING LARGE LAND AREAS. THIS CAPABILITY WAS USED AT ENEWETAK IN LATE 1972 PRELIMINARY TO AND IN SUPPORT OF THE DETAILED GROUND SURVEY WHICH WAS INITIATED SOON THEREAFTER AND CONTINUED TO FEBRUARY 1973. THE AERIAL SURVEY PERMITTED US TO PLAN IN ADVANCE THE WORK OF THE GROUND PARTIES AND CONCENTRATE THE MEASURING AND SAMPLING EFFORT ON AREAS OF GREATEST CONCERN.

WITHOUT AN AERIAL SURVEY OF BIKINI AND ENYU ISLANDS, WE WERE OBLIGED TO COMMIT CONSIDERABLY GREATER EFFORT TO THE GROUND SURVEY THAN MIGHT OTHERWISE HAVE BEEN REQUIRED. IN FACT, THE JUNE 1975 SURVEY, IN THE FIELD EFFORT ALONE, AMOUNTED TO ABOUT 50 MAN-WEEKS. IT PROVIDED, FOR THOSE TWO ISLANDS, INFORMATION ON EXTERNAL GAMMA DOSE WHICH ON THE BASIS OF COMPLETENESS, ACCURACY AND RESOLUTION IS COMPARABLE TO THE BEST OF THE ENEWETAK SURVEY. IT WILL PROVIDE, AT THE CONCLUSION OF THE ANALYTICAL PHASE LATER THIS YEAR, ISOTOPIC DISTRIBUTION INFORMATION (IN SOILS, WATER

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AND BIOTA) WHICH AGAIN IS COMPARABLE TO THE BEST OF THE ENEWETAK SURVEY.

YOU INDICATED TO ME THAT A QUESTION HAD BEEN RAISED ABOUT PRESUMED UNCERTAINTIES REGARDING DOSE TO THYROID DUE TO UPTAKE, IMPLYING THAT WE DO NOT HAVE SUFFICIENT INFORMATION ABOUT WHICH RADIONUCLIDES ARE PRESENT AT BIKINI AND ENYU. AMONG FALLOUT CONSTITUENTS, CERTAIN RADIOACTIVE ISOTOPES OF IODINE ARE OVERWHELMINGLY MORE SIGNIFICANT TO THE THYROID THAN ALL OF THE OTHER ISOTOPES. THESE ISOTOPES OF IODINE HAVE SUCH SHORT HALF LIVES AS TO BE AT INSIGNIFICANT LEVELS AFTER THE PASSAGE OF ONLY A FEW MONTHS TIME. THE LAST NUCLEAR TEST AT BIKINI OCCURRED IN 1958 (OVER 200 MONTHS AGO). I STRESS THAT WE HAVE FOR BIKINI ATOLL WHAT WE CONSIDER ADEQUATE SURVEY DATA FOR BIKINI AND ENYU ISLANDS ONLY. THIS IS DELIBERATE, FOR THESE ARE THE ISLANDS WHICH ARE OR SOON WILL BE INHABITED. WE HAVE SUFFICIENT INFORMATION ABOUT THE OTHER ISLANDS TO PERMIT THEIR LIMITED USE AS PRESCRIBED IN THE 1968 RESETTLEMENT RECOMMENDATIONS. OUR PURPOSE IN BRINGING THE AERIAL SURVEY CAPABILITY TO BIKINI ATOLL WILL BE TO OBTAIN MORE COMPLETE INFORMATION ABOUT THE REMAINING LAND

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AREAS (OTHER THAN BIKINI AND ENYU). THE AERIAL SURVEY MAY
LEAD TO FURTHER GROUND SURVEY WORK IN THOSE OTHER AREAS
AND WILL FACILITATE PLANNING FOR, AND UNDERSTANDING THE
RESULTS OF, OUR CONTINUING ENVIRONMENTAL SURVEILLANCE OF
THOSE AREAS.

WHILE AT BIKINI WE WILL UNDOUBTEDLY REQUEST YOUR PERMISSION
TO FLY ENYU AND BIKINI ISLANDS AS WELL, FOR THE PURPOSE OF
INCLUDING THESE ISLANDS IN OUR DOCUMENTATION, IN ONE FORMAT,
OF THE RADIOLOGICAL CONDITION OF ALL OF THE ISLANDS OF THE
MARSHALLS WHICH MAY HAVE BEEN AFFECTED BY FALLOUT.

LET ME REITERATE THAT THE AUGUST 12 DRAFT RECOMMENDATIONS
ARE BASED UPON FACTUAL KNOWLEDGE OF THE TWO ISLANDS WHICH
ARE THEREIN ADDRESSED. THE FORTHCOMING AGRICULTURAL/DIETARY
RECOMMENDATIONS WILL BE SIMILARLY BASED. NEITHER THE AUGUST 12
DRAFT NOR THE FORTHCOMING AGRICULTURAL/DIETARY RECOMMENDATIONS
ARE EXPECTED TO BE MODIFIED BY AN AERIAL SURVEY WHENEVER THAT
OCCURS. END

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